

WHAT IS CLAIMED IS:

1. A magneto-optical recording medium
comprising:

a substrate;

5 at least first and second underlying layers
provided on the substrate; and

a magnetic layer having at least a magnetic
domain wall displacement layer in which a magnetic
domain wall is displaced, a recording layer storing
10 information, and a switching layer provided between
said magnetic domain wall displacement layer and said
recording layer, the switching layer having a
temperature lower than that of the each magnetic
layer,

15 wherein said second underlying layer is
adjacent to said magnetic domain wall displacement
layer, said first underlying layer is adjacent to
said second underlying layer and on the side of said
substrate, and said first underlying layer has a
20 lower density than a density of said second
underlying layer.

2. A method of producing a magneto-optical
recording medium of claim 1, comprising a film-
25 forming step of forming a first underlying layer and
a second underlying layer on a substrate by
sputtering,

wherein in said film-forming step, a sputtering gas pressure during formation of said first underlying layer is higher than a sputtering gas pressure during formation of said second underlying layer.

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3. The method according to claim 2, wherein in said film-forming step, said second underlying layer is continuously formed on said first underlying layer by changing a gas flow rate after said first underlying layer is formed.

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4. A method of producing the magneto-optical recording medium of claim 1, comprising a film-forming step of forming a first underlying layer and a second underlying layer on a substrate by sputtering,

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wherein in said film-forming step, a distance between a target and said substrate during formation of said first underlying layer is larger than a distance between the target and said substrate during formation of said second underlying layer.

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